

ABSTRACT

To aim at achieving reduction in size and weight of a diaphragm device provided with an optical filter insertable into and retractable from a light path, so that the diaphragm device can be easily installed into a lens tube of a CCTV camera.

The diaphragm device comprises a diaphragm board 10 having an aperture 10a forming a light path, a pair of diaphragm blades 12 and 13 disposed on one face of the diaphragm board and adjusting the aperture of the diaphragm for the light path by sliding along the board face, a diaphragm driving device 20 driving the diaphragm blades 12 and 13 to adjust the aperture of the diaphragm for the light path, an optical filter (infrared cutoff filter) 15 having transmission characteristics in accordance with a wave length, and a filter driving device 30 to insert the optical filter into and retract it from the light path. The optical filter is formed in a thin film, and disposed between two sheets of the diaphragm blades 12 and 13 to make the optical filter slidable along the diaphragm blades. The optical filter 15 is pivotably supported by a spindle 10c and the diaphragm driving device 20 and the filter driving device 30 are disposed together on the same side of the light path.